



JONAS.IO  
SCHMEDTMANN

# THE COMPLETE JAVASCRIPT COURSE

FROM ZERO TO EXPERT!



@JONASSCHMEDTMAN

## PATHWAYS THROUGH THE COURSE

FAST-TRACK YOUR WAY THROUGH THE  
COURSE AND FOCUS ON YOUR LEARNING GOAL





# CHOOSE YOUR PATHWAY

- 👉 This course contains over 60 hours of content, **but you don't have to watch it all!**
- 👉 You might have a unique goal or a unique learning style, and so **your learning experience should also be unique**
- 👉 That's why I created **7 different pathways** to guide you through the course, according to your goal and learning style
- 👉 By following a pathway, you don't have to watch the entire course if you don't have the time

- 1 I want to learn everything 👉 [Pathway 1: Everything!](#)
- 2 I want to learn JavaScript fast 👉 [Pathway 2: Only Important Parts](#)
- 3 I want to learn by building projects with a UI (User Interface) 👉 [Pathway 3: Only Projects With UI](#)
- 4 I only want to learn the language itself, not the DOM (UI) 👉 [Pathway 4: Only Language Itself \(no UI\)](#)
- 5 I only want the fundamentals to learn React/Angular/Vue next 👉 [Pathway 5: Only Interested in Frameworks](#)
- 6 I only want to prepare for a job interview 👉 [Pathway 6: Job Interview Preparation](#)
- 7 I took version 1 of the course and only want the updates 👉 [Pathway 7: Only What's New in Version 2](#)

Might be great for students of





# PATHWAY 1: EVERYTHING!

## INSTRUCTIONS

- 👉 If you have the time, **this is the best option!**
- 👉 If you prefer practice over theory, leave the section *“How JavaScript Works Behind the Scenes”* **for after the projects!**
- 👉 If you want to skip some stuff, each section contains a roadmap where you can find the **most important** lectures of that section
- 👉 So, if you want to speed up your learning, you can focus only on these **important lectures**

**Very important**

**Good to know**

**Optional**

## SECTION

## COMMENTS

|                                                            |                                                                     |
|------------------------------------------------------------|---------------------------------------------------------------------|
| JavaScript Fundamentals – Part 1                           | The absolute fundamentals of the JavaScript language                |
| JavaScript Fundamentals – Part 2                           | Some more fundamentals, like functions, objects and loops           |
| Developer Skills & Editor Setup                            | Setting up your dev system, how to learn, debugging, etc.           |
| HTML & CSS Crash Course                                    | Only watch if you have no idea about HTML and CSS                   |
| JavaScript in the Browser: DOM Manipulation Fundamentals   | Build your first real applications                                  |
| How JavaScript Works Behind the Scenes                     | Some quite advanced lectures. You can leave this for later          |
| Data Structures, Modern Operators and Strings              | Deep dive into objects, strings, ES6+ features like destructuring   |
| A Closer Look at Functions                                 | Deep dive into higher-order functions, closures, bind, etc.         |
| Working With Arrays                                        | Everything you need to know about arrays in a beautiful project     |
| Numbers, Dates, Intl and Timers                            | Safe to skip, but if you want to learn everything, then don't 😊     |
| Advanced DOM and Events                                    | Learn advanced DOM by building beautiful UI components              |
| Object Oriented Programming (OOP) With JavaScript          | Deep dive into OOP: constructors, classes, inheritance, etc.        |
| Mapty App: OOP, Geolocation, External Libraries, and More! | Put everything we have learned so far into practice                 |
| Asynchronous JavaScript: Promises, Async/Await and AJAX    | Deep dive into promises, async/await, error handling, etc.          |
| Modern JavaScript Development: Modules and Tooling         | Learn how to use modules and modern JavaScript build tools          |
| Forkify App: Building a Modern Application                 | Architect and build a complete modern JavaScript application        |
| Setting Up Git and Deployment                              | Deploy the forkify app to a live server to share it with the world! |



# PATHWAY 2: ONLY IMPORTANT PARTS

## INSTRUCTIONS

- 👉 You're in a hurry, and I get that! Here is the TLDR version of the course for you 😊
- 👉 Also, each section contains a roadmap where you can find the **most important** lectures of that section
- 👉 So, to speed up learning even more, you can focus only on these **important lectures**
- 👉 All this will shrink the course to **only 24 hours!** (16h at 1.5x speed 😎)

**Very important**

**Good to know**

**Optional**

## SECTION

## COMMENTS

|                                                            |                                                                 |
|------------------------------------------------------------|-----------------------------------------------------------------|
| JavaScript Fundamentals – Part 1                           |                                                                 |
| JavaScript Fundamentals – Part 2                           |                                                                 |
| Developer Skills & Editor Setup                            | You need to watch at least the first 2 lectures                 |
| HTML & CSS Crash Course                                    |                                                                 |
| JavaScript in the Browser: DOM Manipulation Fundamentals   |                                                                 |
| How JavaScript Works Behind the Scenes                     |                                                                 |
| Data Structures, Modern Operators and Strings              | Important concepts, but you can learn some of them in projects  |
| A Closer Look at Functions                                 |                                                                 |
| Working With Arrays                                        |                                                                 |
| Numbers, Dates, Intl and Timers                            |                                                                 |
| Advanced DOM and Events                                    | Only necessary if you want a cool website project with JS       |
| Object Oriented Programming (OOP) With JavaScript          |                                                                 |
| Mapty App: OOP, Geolocation, External Libraries, and More! | Only necessary if you want to practice what you learned earlier |
| Asynchronous JavaScript: Promises, Async/Await and AJAX    |                                                                 |
| Modern JavaScript Development: Modules and Tooling         | Only necessary if you want to use build tools and modules       |
| Forkify App: Building a Modern Application                 | Only necessary if you want to practice what you learned earlier |
| Setting Up Git and Deployment                              |                                                                 |



# PATHWAY 3: ONLY PROJECTS WITH UI

## INSTRUCTIONS

- 👉 This pathway **skips** some fundamental lectures, because you will use these concepts in selected projects
- 👉 If you you don't understand some concept/syntax in a project, just go back to the section where I first introduce it
- 👉 Each section contains a roadmap where you can find the **most important** lectures of that section
- 👉 So, to speed up learning even more, you can focus only on these **important lectures**

**Very important**

**Good to know**

**Optional**

## SECTION

## COMMENTS

|                                                            |                                                                |
|------------------------------------------------------------|----------------------------------------------------------------|
| JavaScript Fundamentals – Part 1                           | You need the fundamentals, even though there is no UI here     |
| JavaScript Fundamentals – Part 2                           |                                                                |
| Developer Skills & Editor Setup                            | You need to watch at least the first 2 lectures                |
| HTML & CSS Crash Course                                    |                                                                |
| JavaScript in the Browser: DOM Manipulation Fundamentals   | Very important theory lectures, but you can watch them later   |
| How JavaScript Works Behind the Scenes                     |                                                                |
| Data Structures, Modern Operators and Strings              | Important concepts, but you can learn some of them in projects |
| A Closer Look at Functions                                 | Important concepts, but you can learn some of them in projects |
| Working With Arrays                                        |                                                                |
| Numbers, Dates, Intl and Timers                            |                                                                |
| Advanced DOM and Events                                    |                                                                |
| Object Oriented Programming (OOP) With JavaScript          | Important concepts, which will be necessary in projects        |
| Mapty App: OOP, Geolocation, External Libraries, and More! |                                                                |
| Asynchronous JavaScript: Promises, Async/Await and AJAX    | Important concepts, which will be necessary in projects        |
| Modern JavaScript Development: Modules and Tooling         | Preparation for the next project                               |
| Forkify App: Building a Modern Application                 |                                                                |
| Setting Up Git and Deployment                              |                                                                |



# PATHWAY 4: ONLY LANGUAGE ITSELF (NO UI)

## INSTRUCTIONS

- 👉 If you don't care about building projects (which is totally cool), this path is for you!
- 👉 You might still want to check out projects, like the forkify app, which contains a lot of **interesting code and architecture**
- 👉 Each section contains a roadmap where you can find the **most important** lectures of that section
- 👉 So, to speed up learning even more, you can focus only on these **important lectures**

**Very important**

**Good to know**

**Optional**

## SECTION

## COMMENTS

|                                                            |                                                                       |
|------------------------------------------------------------|-----------------------------------------------------------------------|
| JavaScript Fundamentals – Part 1                           |                                                                       |
| JavaScript Fundamentals – Part 2                           |                                                                       |
| Developer Skills & Editor Setup                            | You need to watch at least the first 2 lectures                       |
| HTML & CSS Crash Course                                    |                                                                       |
| JavaScript in the Browser: DOM Manipulation Fundamentals   |                                                                       |
| How JavaScript Works Behind the Scenes                     |                                                                       |
| Data Structures, Modern Operators and Strings              |                                                                       |
| A Closer Look at Functions                                 |                                                                       |
| Working With Arrays                                        | This actually contains a project, but you can skip those lectures     |
| Numbers, Dates, Intl and Timers                            |                                                                       |
| Advanced DOM and Events                                    |                                                                       |
| Object Oriented Programming (OOP) With JavaScript          |                                                                       |
| Mapty App: OOP, Geolocation, External Libraries, and More! |                                                                       |
| Asynchronous JavaScript: Promises, Async/Await and AJAX    |                                                                       |
| Modern JavaScript Development: Modules and Tooling         |                                                                       |
| Forkify App: Building a Modern Application                 | This is actually a project, but you might still find this interesting |
| Setting Up Git and Deployment                              |                                                                       |

# PATHWAY 5: ONLY INTERESTED IN FRAMEWORKS

## INSTRUCTIONS

- 👉 There are no frameworks in this course, but you can focus on the essential JavaScript in order to progress to a framework next
- 👉 In my opinion, **you should know JS really well before moving to a framework**, but there are different opinions, which is fine 😊
- 👉 Each section contains a roadmap where you can find the **most important** lectures of that section
- 👉 So, to speed up learning even more, you can focus only on these **important lectures**

Very important

Good to know

Optional

## SECTION

## COMMENTS

|                                                            |                                                              |
|------------------------------------------------------------|--------------------------------------------------------------|
| JavaScript Fundamentals – Part 1                           | You still need the JavaScript fundamentals 😊                 |
| JavaScript Fundamentals – Part 2                           |                                                              |
| Developer Skills & Editor Setup                            | You need to watch at least the first 2 lectures              |
| HTML & CSS Crash Course                                    |                                                              |
| JavaScript in the Browser: DOM Manipulation Fundamentals   | Useful to get an understanding of manual DOM manipulation    |
| How JavaScript Works Behind the Scenes                     |                                                              |
| Data Structures, Modern Operators and Strings              | Many modern ES6+ features that are needed in frameworks      |
| A Closer Look at Functions                                 | You will be able to skip many lectures (see section roadmap) |
| Working With Arrays                                        | Array methods are very important in most frameworks          |
| Numbers, Dates, Intl and Timers                            |                                                              |
| Advanced DOM and Events                                    |                                                              |
| Object Oriented Programming (OOP) With JavaScript          | You will be able to skip many lectures (see section roadmap) |
| Mapty App: OOP, Geolocation, External Libraries, and More! |                                                              |
| Asynchronous JavaScript: Promises, Async/Await and AJAX    | You will be able to skip many lectures (see section roadmap) |
| Modern JavaScript Development: Modules and Tooling         | Look mostly for lectures on modules                          |
| Forkify App: Building a Modern Application                 | Might be useful to learn how to structure a large project    |
| Setting Up Git and Deployment                              |                                                              |



# PATHWAY 6: JOB INTERVIEW PREPARATION

## INSTRUCTIONS

- 👉 This pathway focusses on sections containing many **theory lectures**, which are a great source of learning for interviews!
- 👉 Each section contains a roadmap where you can find the **most important** lectures of that section
- 👉 So, to speed up learning even more, you can focus only on these **important lectures**

**Very important**

**Good to know**

**Optional**

## SECTION

## COMMENTS

|                                                            |                                                                   |
|------------------------------------------------------------|-------------------------------------------------------------------|
| JavaScript Fundamentals – Part 1                           |                                                                   |
| JavaScript Fundamentals – Part 2                           |                                                                   |
| Developer Skills & Editor Setup                            |                                                                   |
| HTML & CSS Crash Course                                    |                                                                   |
| JavaScript in the Browser: DOM Manipulation Fundamentals   |                                                                   |
| How JavaScript Works Behind the Scenes                     | Many must-watch theory lectures                                   |
| Data Structures, Modern Operators and Strings              |                                                                   |
| A Closer Look at Functions                                 | Topics like higher-order functions, bind, and closures            |
| Working With Arrays                                        |                                                                   |
| Numbers, Dates, Intl and Timers                            |                                                                   |
| Advanced DOM and Events                                    | Some important things about how the DOM works                     |
| Object Oriented Programming (OOP) With JavaScript          | Watch mainly theory lectures, but other lectures are also helpful |
| Mapty App: OOP, Geolocation, External Libraries, and More! |                                                                   |
| Asynchronous JavaScript: Promises, Async/Await and AJAX    | Watch mainly theory lectures, but other lectures are also helpful |
| Modern JavaScript Development: Modules and Tooling         |                                                                   |
| Forkify App: Building a Modern Application                 |                                                                   |
| Setting Up Git and Deployment                              |                                                                   |



# PATHWAY 7: ONLY WHAT'S NEW IN VERSION 2

## INSTRUCTIONS

- 👉 Welcome to Version 2! Here is everything that's **new and important**. Enjoy! 🚀
- 👉 Each section contains a roadmap where you can find the **most important** lectures of that section
- 👉 So, to speed up learning even more, you can focus only on these **important lectures**

**Very important**

**Good to know**

**Optional**

## SECTION

## COMMENTS

|                                                            |                                                               |
|------------------------------------------------------------|---------------------------------------------------------------|
| JavaScript Fundamentals – Part 1                           |                                                               |
| JavaScript Fundamentals – Part 2                           |                                                               |
| Developer Skills & Editor Setup                            | Was not in version 1                                          |
| HTML & CSS Crash Course                                    |                                                               |
| JavaScript in the Browser: DOM Manipulation Fundamentals   | There are new projects, but you already know all this stuff 😊 |
| How JavaScript Works Behind the Scenes                     | More and better lectures                                      |
| Data Structures, Modern Operators and Strings              | Better structure of concepts                                  |
| A Closer Look at Functions                                 | Better explanations, but content was mostly in version 1      |
| Working With Arrays                                        | Better structure of concepts                                  |
| Numbers, Dates, Intl and Timers                            | Was not in version 1, but not very important                  |
| Advanced DOM and Events                                    | Many new concepts and techniques                              |
| Object Oriented Programming (OOP) With JavaScript          | Better explanations and many additional topics                |
| Mapty App: OOP, Geolocation, External Libraries, and More! | Only if you need an additional practice project 😊             |
| Asynchronous JavaScript: Promises, Async/Await and AJAX    | Better explanations and many additional topics                |
| Modern JavaScript Development: Modules and Tooling         | Better explanations and many additional topics                |
| Forkify App: Building a Modern Application                 | Only if you want to check out v2 of the forkify project       |
| Setting Up Git and Deployment                              | Was not in version 1                                          |